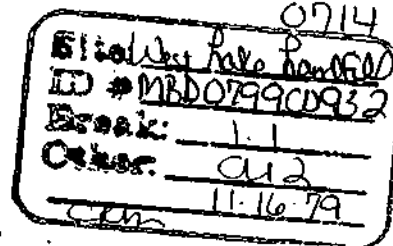


LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2642



Reported to Robert Robinson, Director Date 11-16-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #38
Collected by Keith Schardein, Supervisor Date 6-14-79 1130
Affiliation Water Quality Monitoring Section - Lab Services
Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed prior to sampling.

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	<2	mg/l	
COD	93	mg/l	
Suspended Solids (NFS)	88	mg/l	
NH ₃ as N	<0.1	mg/l	
NO ₃ +NO ₂ as N	<0.1	mg/l	
Total P	<0.02	mg/l	
TDS	574	mg/l	
TOC	35	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-15-79. analyzed 9-12-79
pH	7.5	Units	field
Specific Cond.	1010	mmho/cm 25° C	field
Total Alkalinity	322	mg/l	field
Fluoride	0.07	mg/l	
Chloride	54	mg/l	
Sulfate	136	mg/l	
Total Hardness	520	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	2	ug/l	
Copper, dissolved	1	ug/l	
Iron, dissolved	140	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	620	ug/l	
Mercury, dissolved	.4	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	560	ug/l	
Potassium, dissolved	38.0	mg/l	
Sodium, dissolved	7.54	mg/l	
Calcium, dissolved	97.8	mg/l	
Magnesium, dissolved	42.8	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

40241319

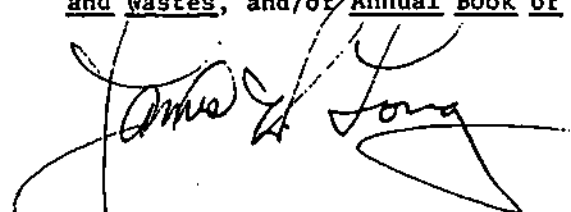


SUPERFUND RECORDS

DNR 0137

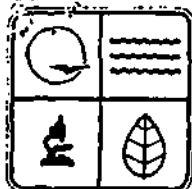
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2642
November 16, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.

A handwritten signature in dark ink, appearing to read "James H. Long", is written over the typed name and title of the signatory.

James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2641

Reported to Robert Robinson, Director Date 11-16-79

Affiliation Solid Waste Management Program

Sample Description West Lake Landfill - Test Well #39

Collected by Keith Schardein, Supervisor Date 6-14-79 1040

Affiliation Water Quality Monitoring Section - Lab Services

Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed prior to sampling.

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	7	mg/l	
COD	85	mg/l	
Suspended Solids (NFS)	139	mg/l	
NH ₃ as N	0.6	mg/l	
NO ₃ +NO ₂ as N	0.1	mg/l	
Total P	<0.02	mg/l	
TDS	607	mg/l	
TOC	33	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-15-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	1000	mmho/cm 25° C	field
Total Alkalinity	236	mg/l	field
Fluoride	0.06	mg/l	
Chloride	63	mg/l	
Sulfate	184	mg/l	
Total Hardness	480	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	<2	ug/l	
Copper, dissolved	14	ug/l	
Iron, dissolved	<20	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	400	ug/l	
Mercury, dissolved	<.1	ug/l	
Nickel, dissolved	30	ug/l	
Zinc, dissolved	21	mg/l	
Potassium, dissolved	8.12	mg/l	
Sodium, dissolved	35.2	mg/l	
Calcium, dissolved	83.2	mg/l	
Magnesium, dissolved	44.9	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

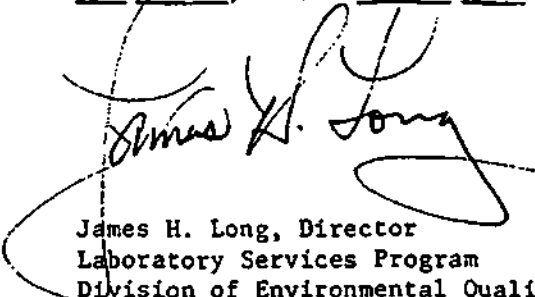
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Latsier Director

Division of Environmental Quality
James P. Odendahl Director

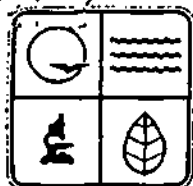
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2641
November 16, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2640

Reported to Robert Robinson, Director Date 11-16-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill Test Well #36
Collected by Keith Schardein, Supervisor Date 6-14-79 0915
Affiliation Water Quality Monitoring Section - Lab Services
Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed prior to sampling.

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>REMARKS</u>
BOD ₅	55	mg/l	
COD	125	mg/l	
Suspended Solids (NFS)	372	mg/l	
NH ₃ as N	0.5	mg/l	
NO ₃ +NO ₂ as N	0.2	mg/l	
Total P	0.06	mg/l	
TDS	660	mg/l	
TOC	54	mg/l	
pH	7.1	Units	field
Specific Cond.	1200	mmho/cm 25° C	field
Total Alkalinity	628	mg/l	field
Fluoride	0.04	mg/l	
Chloride	29	mg/l	
Sulfate	43	mg/l	
Total Hardness	600	mg/l	
Total Sulfide	<0.1	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-15-79 analyzed 9-12-79
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	2	ug/l	
Copper, dissolved	2	ug/l	
Iron, dissolved	17.2	mg/l	
Lead, dissolved	5	ug/l	
Manganese, dissolved	2000	ug/l	
Mercury, dissolved	.5	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	590	ug/l	
Potassium, dissolved	2.08	mg/l	
Sodium, dissolved	29.6	mg/l	
Calcium, dissolved	156	mg/l	
Magnesium, dissolved	40.0	mg/l	
Arsenic, dissolved	31	ug/l	
Silver, dissolved	<1	ug/l	

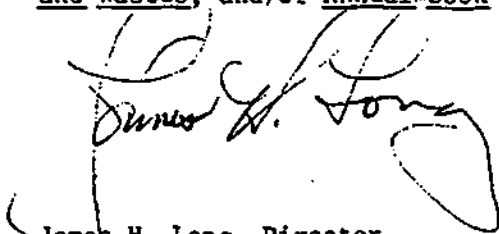
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

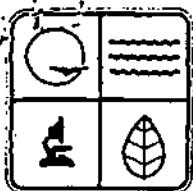
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2640
November 16, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.

A handwritten signature in dark ink, appearing to read "James H. Long", is written over a large, faint, circular stamp or watermark.

James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2639

Reported to Robert Robinson, Director Date 11-15-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #37
Collected by Keith Schardein, Supervisor Date 6-14-79 0820
Affiliation Water Quality Monitoring Section - Lab Services
Note: 1. Sample collected with metal sampler with lead weight.
Remarks 2. Well not bailed prior to sampling.

<u>PARAMETER</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>REMARKS</u>
COD	22	mg/l	
NH ₃ as N	<0.1	mg/l	
NO ₃ +NO ₂ as N	0.5	mg/l	
Total P	0.07	mg/l	
TDS	-	-	no sample
TOC	28	mg/l	
pH	7.4	Units	field
Specific Cond.	1680	mmho/cm 25° C	field
Total Alkalinity	540	mg/l	field
Fluoride	0.05	mg/l	
Chloride	13	mg/l	
Sulfate	415	mg/l	
Total Hardness	960	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	<2	ug/l	
Copper, dissolved	15	ug/l	
Iron, dissolved	<20	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	300	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	1020	ug/l	
Potassium, dissolved	4.09	mg/l	
Sodium, dissolved	6.32	mg/l	
Calcium, dissolved	258	mg/l	
Magnesium, dissolved	71.2	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

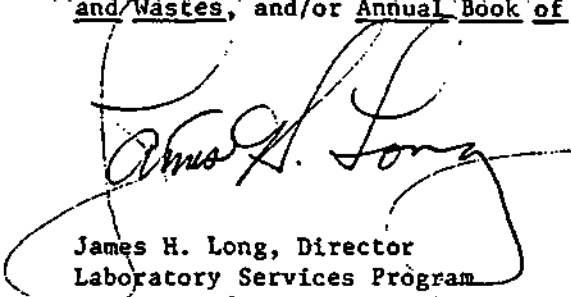
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

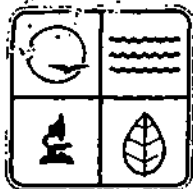
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2639
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2638

Reported to Robert Robinson, Director Date 11-15-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #37A
Collected by Keith Schardein, Supervisor Date 6-13-79 1545
Affiliation Water Quality Monitoring Section - Lab Services
Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed.

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	3	mg/l	
COD	58	mg/l	
Suspended Solids (NFS)	374	mg/l	
NH ₃ as N	0.2	mg/l	
NO ₃ +NO ₂ as N	0.1	mg/l	
Total P	<0.02	mg/l	
TDS	474	mg/l	
TOC	26	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.5	Units	field
Specific Cond.	840	mmho/cm 25° C	field
Total Alkalinity	268	mg/l	field
Fluoride	0.06	mg/l	
Chloride	73	mg/l	
Sulfate	66	mg/l	
Total Hardness	360	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	6	ug/l	
Copper, dissolved	8	ug/l	
Iron, dissolved	<20	ug/l	
Lead, dissolved	6	ug/l	
Manganese, dissolved	1490	ug/l	
Mercury, dissolved	.2	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	30	mg/l	
Potassium, dissolved	5.50	mg/l	
Sodium, dissolved	29.2	mg/l	
Calcium, dissolved	84.5	mg/l	
Magnesium, dissolved	23.5	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

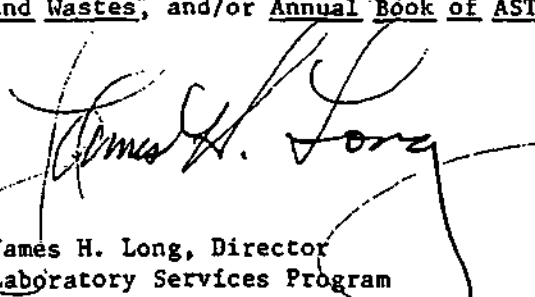
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Latsier Director

Division of Environmental Quality
James P. Odendahl Director

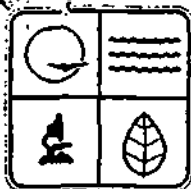
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2638
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2637

Reported to Robert Robinson, Director Date 11-15-79

Affiliation Solid Waste Management Program

Sample Description West Lake Landfill - Test Well #35

Collected by Keith Schardein, Supervisor Date 6-13-79 1500

Affiliation Water Quality Monitoring Section - Lab Services

Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed.

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	5	mg/l	
COD	122	mg/l	
Suspended Solids (NFS)	119	mg/l	
NH ₃ as N	0.2	mg/l	
NO ₃ +NO ₂ as N	0.1	mg/l	
Total P	0.06	mg/l	
TDS	571	mg/l	
TOC	35	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	890	mmho/cm 25° C	field
Total Alkalinity	234	mg/l	field
Fluoride	0.04	mg/l	
Chloride	96	mg/l	
Sulfate	126	mg/l	
Total Hardness	500	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	1	ug/l	
Chromium, dissolved	2	ug/l	
Copper, dissolved	5	ug/l	
Iron, dissolved	57	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	1730	ug/l	
Mercury, dissolved	<.1	ug/l	
Nickel, dissolved	24	ug/l	
Zinc, dissolved	17	mg/l	
Potassium, dissolved	7.35	mg/l	
Sodium, dissolved	39.3	mg/l	
Calcium, dissolved	85.1	mg/l	
Magnesium, dissolved	32.0	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

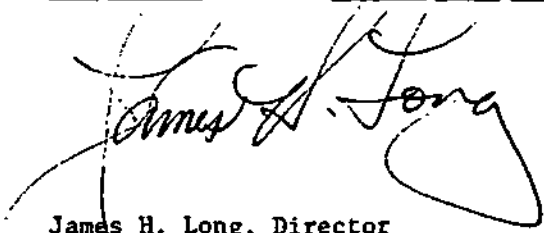
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

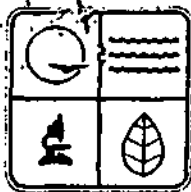
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2637
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2636

Reported to Robert Robinson, Director Date 11-15-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #34
Collected by Keith Schardein, Supervisor Date 6-13-79 1330
Affiliation Water Quality Monitoring Section
Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed.

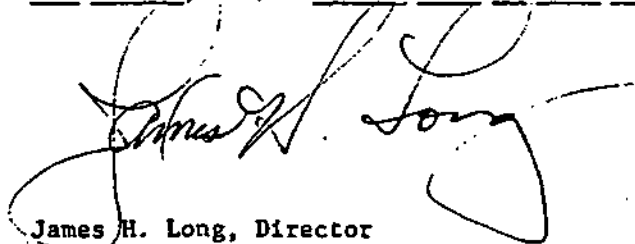
PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	13	mg/l	
COD	129	mg/l	
Suspended Solids (NFS)	122	mg/l	
NH ₃ as N	1.2	mg/l	
NO ₃ +NO ₂ as N	0.3	mg/l	
Total P	<0.02	mg/l	
TDS	417	mg/l	
TOC	31	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	740	mmho/cm 25° C	field
Total Alkalinity	220	mg/l	field
Fluoride	0.05	mg/l	
Chloride	67	mg/l	
Sulfate	70	mg/l	
Total Hardness	340	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	<2	ug/l	
Copper, dissolved	3	ug/l	
Iron, dissolved	<10	ug/l	
Lead, dissolved	5	ug/l	
Manganese, dissolved	690	ug/l	
Mercury, dissolved	<1	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	21	mg/l	
Potassium, dissolved	5.76	mg/l	
Sodium, dissolved	31.6	mg/l	
Calcium, dissolved	50.4	mg/l	
Magnesium, dissolved	33.0	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

Joseph P. Teasdale Governor
Fred A. Lufser Director

Division of Environmental Quality
James P. Odendahl Director

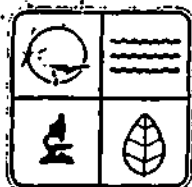
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2636
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.

A large, stylized handwritten signature in black ink, appearing to read "James H. Long". The signature is written over the printed name and title of the signatory.

James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2635

Reported to Robert Robinson, Director Date 11-15-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #40
Collected by Keith Schardein, Supervisor Date 6-13-79 1115
Affiliation Water Quality Monitoring Section - Lab Services
Note: 1. Sample collected with metal sampler with lead weight
Remarks 2. Well not bailed completely

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	3	mg/l	
COD	19	mg/l	
Suspended Solids (NFS)	123	mg/l	
NH ₃ as N	<0.1	mg/l	
NO ₃ +NO ₂ as N	0.3	mg/l	
Total P	<0.02	mg/l	
TDS	833	mg/l	
TOC	20	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	1400	mmho/cm 25° C	field
Total Alkalinity	550	mg/l	field
Fluoride	0.02	mg/l	
Chloride	60	mg/l	
Sulfate	136	mg/l	
Total Hardness	720	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	6	ug/l	
Chromium, dissolved	2	ug/l	
Copper, dissolved	7	ug/l	
Iron, dissolved	<20	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	1.4	ug/l	
Mercury, dissolved	<.1	ug/l	
Nickel, dissolved	10	ug/l	
Zinc, dissolved	18	mg/l	
Potassium, dissolved	7.87	mg/l	
Sodium, dissolved	31.7	mg/l	
Calcium, dissolved	172	mg/l	
Magnesium, dissolved	44.8	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

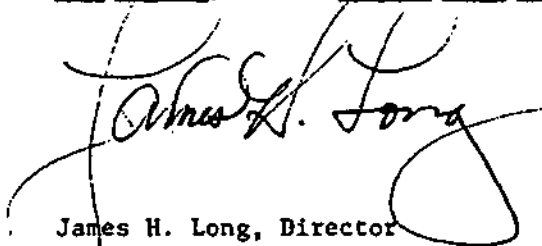
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

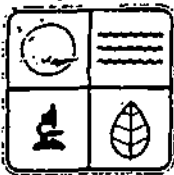
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2635
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.

A handwritten signature in dark ink, appearing to read "James H. Long". The signature is fluid and cursive, with a large loop at the end.

James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2634

Reported to Robert Robinson, Director Date 11-13-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #41
Collected by Keith Schardein, Supervisor Date 6-13-79 0900
Affiliation Water Quality Monitoring Section - Lab Services
Remarks Note: Sample collected with metal sampler with lead weight

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	3	mg/l	
COD	23	mg/l	
Suspended Solids (NFS)	153	mg/l	
NH ₃ as N	< 0.1	mg/l	
NO ₃ +NO ₂ as N	1.7	mg/l	
Total P	< 0.02	mg/l	
TDS	2200	mg/l	
TOC	16	mg/l	
CN ⁻ , Total	< 0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	3000	mmho/cm 25° C	field
Total Alkalinity	698	mg/l	field
Fluoride	0.03	mg/l	
Chloride	262	mg/l	
Sulfate	690	mg/l	
Total Hardness	1540	mg/l	
Total Sulfide	< 0.1	mg/l	
Cadium, dissolved	4	ug/l	
Chromium, dissolved	5	ug/l	
Copper, dissolved	47	ug/l	
Iron, dissolved	< 20	ug/l	
Lead, dissolved	6	ug/l	
Manganese, dissolved	1.1	ug/l	
Mercury, dissolved	0.2	ug/l	
Nickel, dissolved	32	ug/l	
Zinc, dissolved	16	mg/l	
Potassium, dissolved	8.07	mg/l	
Sodium, dissolved	110	mg/l	
Calcium, dissolved	426	mg/l	
Magnesium, dissolved	96.4	mg/l	
Arsenic, dissolved	5	ug/l	
Silver, dissolved	< 1	ug/l	

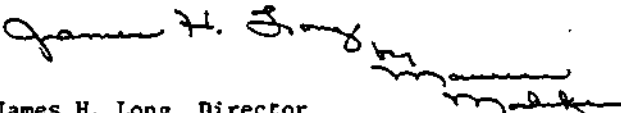
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2634
November 13, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.

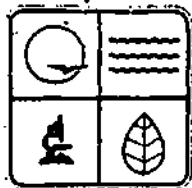

James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh

RECEIVED

JAN 27 1983

WASTE
MANAGEMENT PROGRAM



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

RECEIVED

NOV 15 1979

SAMPLE NO. 79-2634

SOLID WASTE
LABORATORY PROGRAM

Reported to Robert Robinson, Director Date 11-13-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #41
Collected by Keith Schardein, Supervisor Date 6-13-79 0900
Affiliation Water Quality Monitoring Section - Lab Services
Remarks Note: Sample collected with metal sampler with lead weight

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	3	mg/l	
COD	23	mg/l	
Suspended Solids (NFS)	153	mg/l	
NH ₃ as N	< 0.1	mg/l	
NO ₃ +NO ₂ as N	1.7	mg/l	
Total P	< 0.02	mg/l	
TDS	2200	mg/l	
TOC	16	mg/l	
CN ⁻ , Total	< 0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	3000	mmho/cm 25° C	field
Total Alkalinity	698	mg/l	field
Fluoride	0.03	mg/l	
Chloride	262	mg/l	
Sulfate	690	mg/l	
Total Hardness	1540	mg/l	
Total Sulfide	< 0.1	mg/l	
Cadium, dissolved	4	ug/l	
Chromium, dissolved	5	ug/l	
Copper, dissolved	47	ug/l	
Iron, dissolved	< 20	ug/l	
Lead, dissolved	6	ug/l	
Manganese, dissolved	1.1	ug/l	
Mercury, dissolved	0.2	ug/l	
Nickel, dissolved	32	ug/l	
Zinc, dissolved	16	mg/l	
Potassium, dissolved	8.07	mg/l	
Sodium, dissolved	110	mg/l	
Calcium, dissolved	426	mg/l	
Magnesium, dissolved	96.4	mg/l	
Arsenic, dissolved	5	ug/l	
Silver, dissolved	< 1	ug/l	

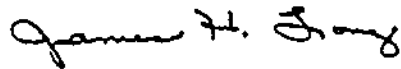
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lufser Director

Division of Environmental Quality
James P. Odendahl Director

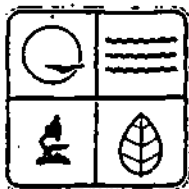
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2634
November 13, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

RECEIVED

SAMPLE NO. 79-2641

NOV 19 1979

Reported to Robert Robinson, Director Date NOV 16-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #39
Collected by Keith Schardein, Supervisor Date 6-14-79 1040
Affiliation Water Quality Monitoring Section - Lab Services
Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed prior to sampling.

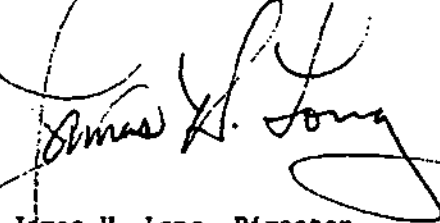
PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	7	mg/l	
COD	85	mg/l	
Suspended Solids (NFS)	139	mg/l	
NH ₃ as N	0.6	mg/l	
NO ₃ +NO ₂ as N	0.1	mg/l	
Total P	<0.02	mg/l	
TDS	607	mg/l	
TOC	33	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-15-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	1000	mmho/cm 25° C	field
Total Alkalinity	236	mg/l	field
Fluoride	0.06	mg/l	
Chloride	63	mg/l	
Sulfate	184	mg/l	
Total Hardness	480	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	<2	ug/l	
Copper, dissolved	14	ug/l	
Iron, dissolved	<20	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	400	ug/l	
Mercury, dissolved	<.1	ug/l	
Nickel, dissolved	30	ug/l	
Zinc, dissolved	21	mg/l	
Potassium, dissolved	8.12	mg/l	
Sodium, dissolved	35.2	mg/l	
Calcium, dissolved	83.2	mg/l	
Magnesium, dissolved	44.9	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

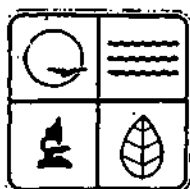
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2641
November 16, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.

A handwritten signature in dark ink, appearing to read "James H. Long", is written over a large, faint circular stamp or watermark.

James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2642

NOV 19 1979

Reported to Robert Robinson, Director

SOLID WASTE
Date 11-16-79

Affiliation Solid Waste Management Program

Sample Description West Lake Landfill - Test Well #38

Collected by Keith Schardein, Supervisor

Date 6-14-79 1130

Affiliation Water Quality Monitoring Section - Lab Services

Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed prior to sampling.

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	<2	mg/l	
COD	93	mg/l	
Suspended Solids (NFS)	88	mg/l	
NH ₃ as N	<0.1	mg/l	
NO ₃ +NO ₂ as N	<0.1	mg/l	
Total P	<0.02	mg/l	
TDS	574	mg/l	
TOC	35	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-15-79 analyzed 9-12-79
pH	7.5	Units	field
Specific Cond.	1010	cmho/cm 25° C	field
Total Alkalinity	322	mg/l	field
Fluoride	0.07	mg/l	
Chloride	54	mg/l	
Sulfate	136	mg/l	
Total Hardness	520	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	2	ug/l	
Copper, dissolved	1	ug/l	
Iron, dissolved	140	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	620	ug/l	
Mercury, dissolved	.4	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	560	ug/l	
Potassium, dissolved	38.0	mg/l	
Sodium, dissolved	7.54	mg/l	
Calcium, dissolved	97.8	mg/l	
Magnesium, dissolved	42.8	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

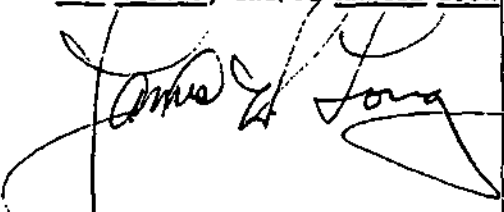
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

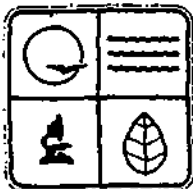
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2642
November 16, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2640

RECEIVED

NOV 21 1979

SOLID WASTE
MANAGEMENT PROGRAM
Date 11-16-79

Reported to Robert Robinson, Director

Affiliation Solid Waste Management Program

Sample Description West Lake Landfill Test Well #36

Collected by Keith Schardein, Supervisor Date 6-14-79 0915

Affiliation Water Quality Monitoring Section - Lab Services

Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed prior to sampling.

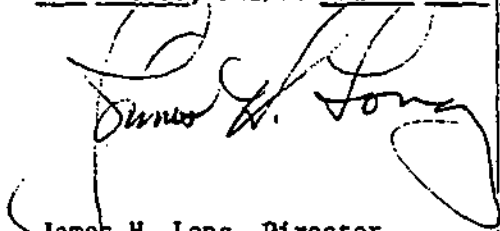
PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	55	mg/l	
COD	125	mg/l	
Suspended Solids (NFS)	372	mg/l	
NH ₃ as N	0.5	mg/l	
NO ₃ +NO ₂ as N	0.2	mg/l	
Total P	0.06	mg/l	
TDS	660	mg/l	
TOC	54	mg/l	
pH	7.1	Units	field
Specific Cond.	1200	mmho/cm 25° C	field
Total Alkalinity	628	mg/l	field
Fluoride	0.04	mg/l	
Chloride	29	mg/l	
Sulfate	43	mg/l	
Total Hardness	600	mg/l	
Total Sulfide	<0.1	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-15-79 analyzed 9-12-79
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	2	ug/l	
Copper, dissolved	2	ug/l	
Iron, dissolved	17.2	mg/l	
Lead, dissolved	5	ug/l	
Manganese, dissolved	2000	ug/l	
Mercury, dissolved	.5	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	590	ug/l	
Potassium, dissolved	2.08	mg/l	
Sodium, dissolved	29.6	mg/l	
Calcium, dissolved	156	mg/l	
Magnesium, dissolved	40.0	mg/l	
Arsenic, dissolved	31	ug/l	
Silver, dissolved	<1	ug/l	

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

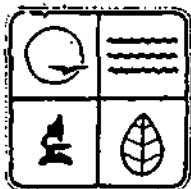
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2640
November 16, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.

A handwritten signature in dark ink, appearing to read "James H. Long", is written over a large, faint circular stamp or watermark.

James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

RECEIVED

SAMPLE NO. 79-2637

NOV 21 1979

Reported to Robert Robinson, Director

SOLID WASTE
Date: 11-15-79

Affiliation Solid Waste Management Program

Sample Description West Lake Landfill - Test Well #35

Collected by Keith Schardein, Supervisor Date 6-13-79 1500

Affiliation Water Quality Monitoring Section - Lab Services

Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed.

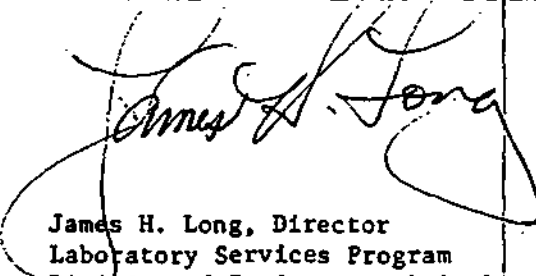
PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	5	mg/l	
COD	122	mg/l	
Suspended Solids (NFS)	119	mg/l	
NH ₃ as N	0.2	mg/l	
NO ₃ +NO ₂ as N	0.1	mg/l	
Total P	0.06	mg/l	
TDS	571	mg/l	
TOC	35	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	890	mmho/cm 25° C	field
Total Alkalinity	234	mg/l	field
Fluoride	0.04	mg/l	
Chloride	96	mg/l	
Sulfate	126	mg/l	
Total Hardness	500	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	1	ug/l	
Chromium, dissolved	2	ug/l	
Copper, dissolved	5	ug/l	
Iron, dissolved	57	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	1730	ug/l	
Mercury, dissolved	<.1	ug/l	
Nickel, dissolved	24	ug/l	
Zinc, dissolved	17	mg/l	
Potassium, dissolved	7.35	mg/l	
Sodium, dissolved	39.3	mg/l	
Calcium, dissolved	85.1	mg/l	
Magnesium, dissolved	32.0	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

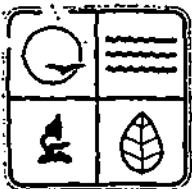
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2637
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

SAMPLE NO. 79-2636

RECEIVED

NOV 21 1979

SOLID WASTE
MANAGEMENT PROGRAM
Date 11-15-79

Reported to Robert Robinson, Director
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #34
Collected by Keith Schardein, Supervisor Date 6-13-79 1330
Affiliation Water Quality Monitoring Section
Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed.

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	13	mg/l	
COD	129	mg/l	
Suspended Solids (NFS)	122	mg/l	
NH ₃ as N	1.2	mg/l	
NO ₃ +NO ₂ as N	0.3	mg/l	
Total P	<0.02	mg/l	
TDS	417	mg/l	
TOC	31	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	740	mmho/cm 25° C	field
Total Alkalinity	220	mg/l	field
Fluoride	0.05	mg/l	
Chloride	67	mg/l	
Sulfate	70	mg/l	
Total Hardness	340	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	<2	ug/l	
Copper, dissolved	3	ug/l	
Iron, dissolved	<10	ug/l	
Lead, dissolved	5	ug/l	
Manganese, dissolved	690	ug/l	
Mercury, dissolved	<1	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	21	mg/l	
Potassium, dissolved	5.76	mg/l	
Sodium, dissolved	31.6	mg/l	
Calcium, dissolved	50.4	mg/l	
Magnesium, dissolved	33.0	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

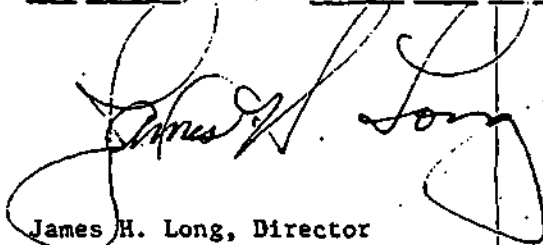
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

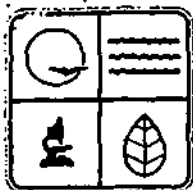
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2636
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.

A large, stylized handwritten signature in dark ink, appearing to read "James H. Long". The signature is written over the printed name and title of the signatory.

James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

RECEIVED

NOV 21 1979

SAMPLE NO. 79-2635

SOLID WASTE
MANAGEMENT PROGRAM

Reported to Robert Robinson, Director

Date 11-15-79

Affiliation Solid Waste Management Program

Sample Description West Lake Landfill - Test Well #40

Collected by Keith Schardein, Supervisor

Date 6-13-79 1115

Affiliation Water Quality Monitoring Section - Lab Services

Note: 1. Sample collected with metal sampler with lead weight
Remarks 2. Well not bailed completely

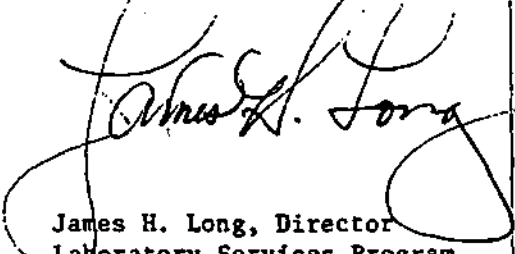
PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	3	mg/l	
COD	19	mg/l	
Suspended Solids (NFS)	123	mg/l	
NH ₃ as N	<0.1	mg/l	
NO ₃ +NO ₂ as N	0.3	mg/l	
Total P	<0.02	mg/l	
TDS	833	mg/l	
TOC	20	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.4	Units	field
Specific Cond.	1400	mmho/cm 25° C	field
Total Alkalinity	550	mg/l	field
Fluoride	0.02	mg/l	
Chloride	60	mg/l	
Sulfate	136	mg/l	
Total Hardness	720	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	6	ug/l	
Chromium, dissolved	2	ug/l	
Copper, dissolved	7	ug/l	
Iron, dissolved	<20	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	1.4	ug/l	
Mercury, dissolved	<.1	ug/l	
Nickel, dissolved	10	ug/l	
Zinc, dissolved	18	mg/l	
Potassium, dissolved	7.87	mg/l	
Sodium, dissolved	31.7	mg/l	
Calcium, dissolved	172	mg/l	
Magnesium, dissolved	44.8	mg/l	
Arsenic, dissolved	<.4	ug/l	
Silver, dissolved	<.1	ug/l	

Joseph P. Teasdale Governor
Fred A. Latser Director

Division of Environmental Quality
James P. Odendahl Director

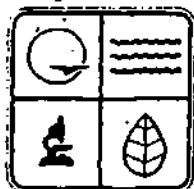
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2635
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

RECEIVED

NOV 21 1979

SAMPLE NO. 79-2638

SOLID WASTE
MANAGEMENT PROGRAM

Reported to Robert Robinson, Director Date 11-15-79
Affiliation Solid Waste Management Program
Sample Description West Lake Landfill - Test Well #37A
Collected by Keith Schardein, Supervisor Date 6-13-79 1545
Affiliation Water Quality Monitoring Section - Lab Services
Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed.

PARAMETER	RESULTS	UNITS	REMARKS
BOD ₅	3	mg/l	
COD	58	mg/l	
Suspended Solids (NFS)	374	mg/l	
NH ₃ as N	0.2	mg/l	
NO ₃ +NO ₂ as N	0.1	mg/l	
Total P	<0.02	mg/l	
TDS	474	mg/l	
TOC	26	mg/l	
CN ⁻ , Total	<0.02	mg/l	distilled 6-14-79 analyzed 9-12-79
pH	7.5	Units	field
Specific Cond.	840	mmho/cm 25° C	field
Total Alkalinity	268	mg/l	field
Fluoride	0.06	mg/l	
Chloride	73	mg/l	
Sulfate	66	mg/l	
Total Hardness	360	mg/l	
Total Sulfide	<0.1	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	6	ug/l	
Copper, dissolved	8	ug/l	
Iron, dissolved	<20	ug/l	
Lead, dissolved	6	ug/l	
Manganese, dissolved	1490	ug/l	
Mercury, dissolved	.2	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	30	mg/l	
Potassium, dissolved	5.50	mg/l	
Sodium, dissolved	29.2	mg/l	
Calcium, dissolved	84.5	mg/l	
Magnesium, dissolved	23.5	mg/l	
Arsenic, dissolved	44	ug/l	
Silver, dissolved	<1	ug/l	

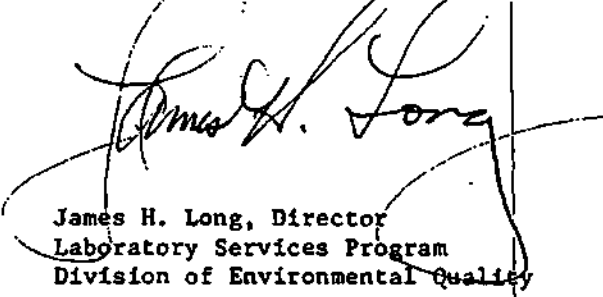
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Lafser Director

Division of Environmental Quality
James P. Odendahl Director

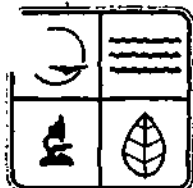
Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2638
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh



LABORATORY SERVICES PROGRAM
REPORT OF SAMPLE ANALYSIS

RECEIVED

NOV 21 1979

SAMPLE NO. 79-2639

SOLID WASTE
MANAGEMENT SECTION

Reported to Robert Robinson, Director

Affiliation Solid Waste Management Program

Sample Description West Lake Landfill - Test Well #37

Collected by Keith Schardein, Supervisor Date 6-14-79 0820

Affiliation Water Quality Monitoring Section - Lab Services

Remarks Note: 1. Sample collected with metal sampler with lead weight.
2. Well not bailed prior to sampling.

PARAMETER	RESULTS	UNITS	REMARKS
COD	22	mg/l	
NH ₃ as N	<0.1	mg/l	
NO ₃ +NO ₂ as N	0.5	mg/l	
Total P	0.07	mg/l	
TDS	-	-	no sample
TOC	28	mg/l	
pH	7.4	Units	field
Specific Cond.	1680	mmho/cm 25° C	field
Total Alkalinity	540	mg/l	field
Fluoride	0.05	mg/l	
Chloride	13	mg/l	
Sulfate	415	mg/l	
Total Hardness	960	mg/l	
Cadmium, dissolved	<1	ug/l	
Chromium, dissolved	<2	ug/l	
Copper, dissolved	15	ug/l	
Iron, dissolved	<20	ug/l	
Lead, dissolved	4	ug/l	
Manganese, dissolved	300	ug/l	
Nickel, dissolved	<10	ug/l	
Zinc, dissolved	1020	ug/l	
Potassium, dissolved	4.09	mg/l	
Sodium, dissolved	6.32	mg/l	
Calcium, dissolved	258	mg/l	
Magnesium, dissolved	71.2	mg/l	
Arsenic, dissolved	<4	ug/l	
Silver, dissolved	<1	ug/l	

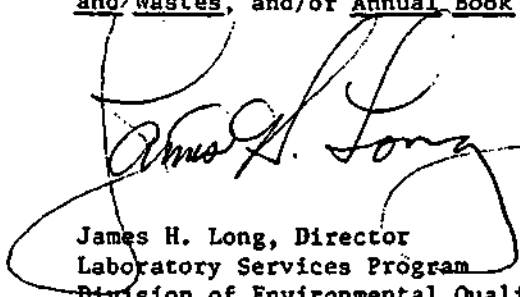
MISSOURI DEPARTMENT OF NATURAL RESOURCES
P.O. Box 1368 2010 Missouri Blvd. Jefferson City, Missouri 65102 (314) 751-3241

Joseph P. Teasdale Governor
Fred A. Latsier Director

Division of Environmental Quality
James P. Odendahl Director

Page Two
Robert Robinson, Director
Solid Waste Management Program
Sample No. 79-2639
November 15, 1979

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.



James H. Long, Director
Laboratory Services Program
Division of Environmental Quality

JHL/lh

BUILDING STONE
FLAGSTONE
RUBBLE
CRUSHED STONE
(ANY SIZE)
SCREENINGS
LIMESTONE
RIP RAP
SAND
ASPHALT

West Lake Quarry & Material Co.

St. Charles Rock Road W. of Taussig
St. Louis County, Mo.

MAILING ADDRESS:
13570 ST. CHARLES ROCK ROAD
BRIDGETON, MO.
63044

July 23, 1979

Missouri Department of Natural Resources
Division of Environmental Quality
P.O. Box 1368
Jefferson City, Missouri 65102

Attn: Robert M. Robinson PE
Director
Solid Waste Management Program

Gentlemen:

Shown are approximate locations of monitoring wells
on completed landfill also the latest analysis.
I apologize for taking so long.

Sincerely,

WEST LAKE QUARRY & MATERIAL CO.


Bill Canney

BC:dg

JUL 25 1979



enviRODYNE
engineers

12181 Lockland Road
St. Louis, Missouri 63141
(314) 434-8980

REPORT OF ANALYSIS

Environment • Energy • Transportation • Food Processing

SUBMITTED BY: Mr. William Canney
West Lake Quarry
Rt. 1, Box 296
Bridgeton, MO 63042

DATE: July 3, 1979
PROJECT NO. 1536-019
P.O.

DATE RECEIVED: June 6, 1979

SAMPLE ANALYZED: Nine Water Samples

METHODS USED: Standard Methods, 14th Edition

RESULTS:

<u>Sample</u>	<u>pH</u> <u>Units</u>	<u>Conductivity</u> <u>(micromhos/cm)</u>	<u>Chloride</u> <u>(mg/l)</u>	<u>COD</u> <u>(mg/l)</u>	<u>Iron</u> <u>(mg/l)</u>
35	6.3	1,250	96	150	7.41
37A	6.1	1,450	84	86	8.51
✓ 37	6.5	750	44	160	110
38	6.9	1,250	52	150	8.09
39	6.3	1,300	66	200	9.85
40	6.6	1,100	76	220	5.62
41	6.8	710	85	420	9.56
34	6.5	1,650	74	270	6.06
36	6.4	1,200	31	370	41.8

JUL 25 1979

ENVIRODYNE ENGINEERS

BY: *Judy Stone*